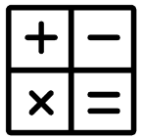
A Maths Question a Day - May

Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
Have a go at each of these Maths challenges for every day in May! www.alittlebutalot.com					1 What are the common factors of 16 and 60?	2 Explain how to round 52.09 to the nearest tenth and whole number?
3 Two-minute challenge: write everything you know about multiplication!	4 Draw a number line from 0 to 10,000 and accurately place these numbers: 9,543 1089 3550 769	5 A shop has 30% off everything. If I paid £6.30 for a top, what was the original price of the top?	6 Draw/use place value counters to represent these numbers 2 ways: 105 687 1001 350 889 1000	7 What is the rule for this sequence and what are the next 3 terms? 2, 4, 8, 16…	8 What is the sum of and the difference between 105897 and 50687?	9 Simplify these fractions: 3/12 9/15 12/20 16/30
10 Two-minute challenge: write everything you know about fractions!	11 Is 4.97x100 the same as 4970÷100? How do you know?	12 Calculate 8 x 17. How does that help you work out 16 x 17?	13 If each person in your class had £1.97. How much money would you have altogether?	14 If P is double R and R is five times bigger than Q. What are P and R if Q is 2.5?	15 Find a third the following numbers: 681, 330, 16, 87.	16 What is the odd number out and why: 25, 16, 64, 88 and 9?
17 Two-minute challenge: write everything you know about 3D shapes!	18 427 is my answer. Write a question for each operation to make that true.	19 Find the product of these numbers: 3, 5, 1, 9 and 4.	20 One-minute challenge: write down everything you know about angles!	21 What is 1684 ÷ 4? Can you work it out 3 different ways?	22 What do all of these numbers have in common? 3, 15, 21, 18.	23 If a=26, b=25, c=24. Who in your family has the name worth the most? The least?
24 Two-minute challenge: write everything you know about coordinates!	25 Always, sometimes, never: 3D objects have square faces.	26 Write different values to make this true. Think of at least 3! a x b > 60	27 What is 35% of these numbers: 50 68 310 72 105 16	28 Write these decimals as fractions in their simplest form: 0.2, 0.15, 0.75, 0.6 and 0.1.	29 If 90 ÷ f = 4.5. What is f? Describe how you worked it out.	30 9.6 is my answer. Write a question for each operation to make that true.
31 **TRICKY QUESTION:** Can a shape have 2 right angles and an acute angle? Draw it!	 **Can you draw your working out?** **Can you show it using a written method?** **Can you talk to someone about how you worked out your answers?**					